

**DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
(Under 37 CFR § 1.63; includes reference to PCT International Applications)

Atty. Docket no.: 52201-0628

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **QUARTZ GLASS CRUCIBLE AND METHOD FOR THE PRODUCTION THEREOF**, the specification of which was filed on **03 April 2003** as an international patent application designating the United States that was assigned serial number **PCT/EP03/03459**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT International applications designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed:

Prior Foreign/PCT Application(s):			Priority Claimed:	
Country (or PCT)	Application Number:	Filed (Day/Month/Year)	Yes	No
Germany	102 17 946.8	22 April 2002	X	

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. (or U.S.-designating PCT) Application(s):			
U.S. Serial No.:	Filed (Day/Month/Year)	PCT Application No.	Status (patented, pending, abandoned)

I hereby appoint Andrew L. Tiajolloff, Esq., Registration No. 31,575, or his duly appointed associate, my attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to

receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

Andrew L. Tiajolloff, Esq.  
Tiajolloff & Kelly  
Chrysler Building, 37<sup>th</sup> floor  
405 Lexington Avenue  
New York, NY 10174

Direct all telephone calls to: (212) 490-3285  
to the attention of:  
Andrew L. Tiajolloff, Esq.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR(S):

Signature: Gabriele Korus Date: October 18, 2004  
Full name of sole or first inventor: **Gabriele KORUS**  
Residence: Thomasiusstrasse 2b, 04109 Leipzig, Germany  
Citizenship: Germany

Signature: Martin Arndt Date: October 26, 2004  
Full name of 2nd joint inventor: **Martin ARNDT**  
Residence: Fritz-Reuter-Strasse 11, 06749 Bitterfeld, Germany  
Citizenship: Germany

Signature: Hilmar Lauda Date: October 26, 2004  
Full name of 3rd joint inventor: **Hilmar LAUDAHN**  
Residence: Töpferwall 22, 06749 Bitterfeld, Germany  
Citizenship: Germany

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 4th joint inventor: **Manfred SCHWARZBAUER**  
Residence: Usselmannstrasse 2, 84359 Simbach, Germany  
Citizenship: Germany

Post Office Address(es) of inventor(s) [if different from residence]:

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U.S. Serial No.:	Filed (Day/Month/Year)	PCT Application No.	Status (patented, pending, abandoned)

I hereby appoint Andrew L. Tiajolloff, Esq., Registration No. 31,575, or his duly appointed associate, my attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to

receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

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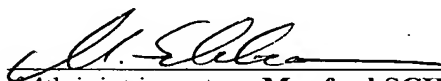
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR(S):

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of sole or first inventor: **Gabriele KORUS**  
Residence: Thomasiusstrasse 2b, 04109 Leipzig, Germany  
Citizenship: Germany

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 2nd joint inventor: **Martin ARNDT**  
Residence: Fritz-Reuter-Strasse 11, 06749 Bitterfeld, Germany  
Citizenship: Germany

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 3rd joint inventor: **Hilmar LAUDAHN**  
Residence: Töpferwall 22, 06749 Bitterfeld, Germany  
Citizenship: Germany

Signature:  Date: 10/15/04  
Full name of 4th joint inventor: **Manfred SCHWARZBAUER**  
Residence: Usselmannstrasse 2, 84359 Simbach, Germany  
Citizenship: Germany

Post Office Address(es) of inventor(s) [if different from residence]:

## ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

### QUARTZ GLASS CRUCIBLE AND METHOD FOR THE PRODUCTION THEREOF

for which an international patent application designating the United States was filed on 3 April 2003 and assigned Serial No. PCT/EP03/03459,

AND WHEREAS,

Heraeus Quarzglas GmbH & Co. KG, a German corporation with offices at Quarzstrasse 8, 63450 Hanau, Germany,

and

Siltronic AG, a German corporation with offices at Hanns-Seidel-Platz 4, 81737 München, Germany,

(hereinafter together referred to as ASSIGNEE) are desirous of acquiring all, interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country whose duty is to issue patents on applications as described above, to issue all Letters Patent in the United States of America and any other country to said ASSIGNEE, as the assignees of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This assignment executed on the dates indicated below.

October 18, 2004  
Date

Gabriele Korus  
GABRIELE KORUS

October 26, 2004  
Date

Martin Arndt  
MARTIN ARNDT

October 26, 2004  
Date

Hilmar Laudahn  
HILMAR LAUDAHN

\_\_\_\_\_  
Date

\_\_\_\_\_  
MANFRED SCHWARZBAUER

## ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

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NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country whose duty is to issue patents on applications as described above, to issue all Letters Patent in the United States of America and any other country to said ASSIGNEE, as the assignees of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

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This assignment executed on the dates indicated below.

\_\_\_\_\_  
Date

\_\_\_\_\_  
**GABRIELE KORUS**

\_\_\_\_\_  
Date

\_\_\_\_\_  
**MARTIN ARNDT**

\_\_\_\_\_  
Date

\_\_\_\_\_  
**HILMAR LAUDAHN**

10/15/04  
Date

  
**MANFRED SCHWARZBAUER**